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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A filter for a gas generator, comprising:

a single metal wire comprising a core wire of iron and a coating layer of copper, the

coating layer of copper being molten and plated on the core wire,

the single metal wire being wound into a tubular shape having intersecting parts of the

single metal wire, wherein

thickness of the coating layer on the core is from 0.5 µm to 10 µm, and

at each of the intersecting parts of the single metal wire, adjacent parts of the core are

firmly fixed each other via the coating layer, wherein

the thickness of the coating layer at the intersecting parts is thicker than the remaining

portion of the single metal wire, and

the adjacent parts of the core are firmly fixed each other by melting the coating layer of

copper and infiltrating all of the molten copper into gaps of the intersecting parts.

2-3. (Cancelled)

4. (Withdrawn) A method of manufacturing a filter for a gas generator, the filter

comprising a tubular material formed by knitting a coated metal wire in which a metal wire

corresponding to a core wire is coated with a lower melting point metal, wherein the lower

melting point metal is a metal having a melting point lower than the metal of the core wire, and

the intersecting parts of the coated metal wires are bonded by the affixing and solidifying of the

molten lower melting point metal, comprising:

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a molding step for producing a tubular material in which the metal wire corresponding to

the core wire is coated with a lower melting point metal, and the coated metal wire, in which the

lower melting point metal is a metal having a melting point lower than the metal of the core wire,

is knitted; and

a heat processing step in which the tubular material is kept at a temperature not less than

a melting point of the lower melting point metal for coating the core wire but less than a sintering

temperature of the metal of the core wire, and is then cooled.

5. (Withdrawn) The method of manufacturing the filter for a gas generator according

to claim 4, wherein the tubular material in the molding step has an inner diameter of 3 to 80mm,

an outer diameter of 10 to 90mm, a height of 5 to 300mm and a mass of 10 to 400g.

6. (Withdrawn) The method of manufacturing the filter for a gas generator according

to claim 4 or 5, wherein, in the heat processing step, the heat processing is performed at a

temperature 10°C or more higher than a melting point of the lower melting point metal for

coating the core wire, but at a temperature 10°C or more lower than a melting point of the metal

of the core wire.

7. (Previously Presented) A gas generator for an air bag, comprising a housing

having a gas discharge port, an ignition means actuated by an impact, a combustion chamber

storing a gas generating agent that is ignited and burned by the ignition means to generate a

combustion gas, and a filter for filtering and cooling a combustion gas, wherein the filter for a

gas generator according to claim 1 is used as a filter.

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8. (Previously presented) The filter for a gas generator according to claim 1, wherein the tubular shape is obtained by winding the single metal wire on a perimeter of a

cylindrical core material.

9. (Currently Amended) The filter for a gas generator according to claim 1,

wherein the filter is obtained by keeping the single metal wire wound into the tubular shape

at a temperature not less than a melting point of the copper of the coating layer but less than a

sintering temperature of the metal of the core wire so that the copper is melted and concentrates

on the intersecting parts, and is then cooled so that the thickness of the coating layer at the

intersecting parts is thicker than the remaining portion of the single metal wire.